

# Inventory of Quality Control Data for Organic Analyses

Report Title Brickhouse Environmental Report Date 2/16/10  
 Sampler " Sampling Date 1/20/10 Number of Samples 4  
 Laboratory Test America Lab ID KTA0345  
 Well ID Saintner RW Ex. 6 - Personal Privacy Saintner Ex. 6 - Personal Privacy  
 Electronic File Name Cabot - EPA 000001 Brickhouse Feb 16 2010.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
<u>Glycols</u>	<u>water</u>	<u>not identified</u>	<u>8015</u>	
<u>Alcohols</u>	<u>water</u>	<u>" "</u>	<u>8015M</u>	<u>Not identified</u>
<u>MBAS</u>	<u>water</u>	<u>NA</u>	<u>5540C</u>	

## QC Measures

### KEY:

P = applicable and present  
 M = applicable and missing  
 NA = not applicable

					Alcohols 4 samples	Glycols 3 samples	MBAS 4 samples
Reporting Level(s)					P	P	P
Laboratory Narrative					M	M	M
Result Forms / Target Compound Identification					P	P	P
Sample Preservation					P	P	P
Holding Time					P	P	P
Instrument Tune					NA	NA	NA
Standards Preparation Logs					M	M	M
Run Logs (includes standards and samples)					M	M	M
Initial Calibration					M	M	M
Continuing Calibration					M	M	M
Laboratory Blanks					M	M	M
Trip Blanks					NA	NA	NA
Field Blanks					M	M	M
Field Duplicates					M	M	M
Surrogate/DMC Recovery					P	P	NA
MS/MSD (%R, RPD)					M	M	M
Laboratory Control Sample					M	M	M
Internal Standard Area					NA	NA	NA
Pesticide/Aroclor Cleanup Checks					NA	NA	NA
Retention Time					M	M	NA
Chromatograms					M	M	NA
Mass Spectra					NA	NA	NA
Example Sample Calculation					M	M	M
Identification of Tentatively Identified Compounds (TICs)					NA	NA	NA
TICs Method of Determination					NA	NA	NA
Dilution Factor					P	P	P
Sample Paperwork (sample tags, chain of custody forms)					P	P	P
Moisture Content (for sediment / soils samples)					NA	NA	NA

# Inventory of Quality Control Data for Organic Analyses

Report Title Brickhouse Environmental

Report Date 2/16/10

Sampler "

Sampling Date 1/20/10

Number of Samples 10

Laboratory TEST AMERICA

Lab ID KTA 039B

Well ID Sautner

Ex. 6 - Personal Privacy

Electronic File Name CAROT - EPA 000003 Brickhouse February, 16 2010 (2). pdf

Ex. 6 - Personal Privacy

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
<u>Glycol</u>	<u>Water</u>	<u>NOT IDENTIFIED</u>	<u>BOIS</u>	
<u>Alcohols</u>	<u>"</u>	<u>"</u>	<u>BOIS M</u>	<u>NOT IDENTIFIED</u>
<u>MBAS</u>	<u>"</u>	<u>NA</u>	<u>SS/OC</u>	

## QC Measures

### KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

					Alcohols 9 samples	Glycols 10 samples	MBAS 9 samples
Reporting Level(s)					P	P	P
Laboratory Narrative					M	M	M
Result Forms / Target Compound Identification					P	P	P
Sample Preservation					P	P	P
Holding Time					P	P	P
Instrument Tune					NA	NA	NA
Standards Preparation Logs					M	M	M
Run Logs (includes standards and samples)					M	M	M
Initial Calibration					M	M	M
Continuing Calibration					M	M	M
Laboratory Blanks					M	M	M
Trip Blanks					NA	NA	NA
Field Blanks					M	M	M
Field Duplicates					M	M	M
Surrogate/DMC Recovery					P	P	NA
MS/MSD (%R, RPD)					M	M	M
Laboratory Control Sample					M	M	M
Internal Standard Area					NA	NA	NA
Pesticide/Aroclor Cleanup Checks					NA	NA	NA
Retention Time					M	M	NA
Chromatograms					M	M	NA
Mass Spectra					NA	NA	NA
Example Sample Calculation					M	M	M
Identification of Tentatively Identified Compounds (TICs)					NA	NA	NA
TICs Method of Determination					NA	NA	NA
Dilution Factor					P	P	P
Sample Paperwork (sample tags, chain of custody forms)					P	P	P
Moisture Content (for sediment / soils samples)					NA	NA	NA

# Inventory of Quality Control Data for Inorganic Analyses

1 of 3

Report Title Brickhouse Environmental  
 Sampler Brickhouse Environmental  
 Laboratory TES + America  
 Well ID Ex. 6 - Personal Privacy

Report Date 2/17/10  
 Sampling Date 1/22/10  
 Number of Samples 13  
 Lab ID RTA0367

Electronic File Name CAGOT - EPA 0446 20 Brickhouse February 17, 2010.pdf

Ex. 6 - Personal Privacy

Sautter RW, Ex. 6 - Personal Privacy

(P. 1 of 3)

Analytical Parameter	Matrix	Method		
		Digestion	Analysis	Modification
(13) Total Metals $\text{Sr/Hg}$	Water	Not Known	600/4000 Spec	
Metals (12)	"	Not Known	200.7	
Metals (13)	"	Not Known	6020-14	
Bicarbonate free (13)	"	NA	310.1 / SM 2540	
Anions (13)	"	NA	300.A	
Total Cyanide (3)	"	NA	4500-CNE	

## QC Measures

### KEY:

P = applicable and present  
 M = applicable and missing  
 NA = not applicable

	Metals $\text{Sr/Hg}$ 6000/4000	Anions	Nitrate/Nitrite	Oil & Grease	Total Cyanide	Metals - H 300.7	Metals - H 6000	Bicarbonate
Reporting Level(s)	P	P			P	P	P	P
Laboratory Narrative	M	M			M	M	M	M
Result Forms / Target Analyte Identification	P	P			P	P	P	P
Sample Preservation	P	M			M	P	P	P
Holding Time	P	P			M	P	P	P
Digestion and Distillation Logs	M	NA			NA	M	M	NA
Standards Preparation Logs	M	M			M	M	M	M
Run Logs (includes standards and samples)	M	M			M	M	M	M
Initial Calibration	M	M			M	M	M	M
Continuing Calibration	M	M			M	M	M	NA
Laboratory Blanks	M	M			M	M	M	M
Trip Blanks	NA	NA			NA	NA	NA	NA
Field Blanks	M	M			M	M	M	NA
Field Duplicates	M	M			M	M	M	M
Matrix Spike Recovery	M	M			M	M	M	NA
Laboratory Duplicates	M	M			M	M	M	NA
Laboratory Control Sample	M	M			M	M	M	NA
Internal Standard Area	NA	NA			NA	NA	NA	NA
Method of Standard Addition Results	NA	NA			NA	NA	NA	NA
ICP Serial Dilutions	M	NA			NA	M	M	NA
ICP Interference Check Sample	M	NA			NA	M	M	NA
ICP Inter-element Correction Factors	M	NA			NA	M	M	NA
ICP Linear Ranges	M	NA			NA	M	M	NA
Raw Data (i.e., instrument readouts)	M	NA			NA	M	M	NA
Example Sample Calculation	M	M			M	M	M	M
Dilution Factor	P	P			P	P	P	P
Sample Paperwork (sample tags, chain of custody forms)	P	P			P	P	P	P
% Solids (for sediment / soils samples)	NA	NA			NA	NA	NA	NA

## Inventory of Quality Control Data for Organic Analyses

2 of 3

Report Title Brickhouse Environmental Report Date 2/17/10  
 Sampler Brickhouse Environmental Sampling Date 1/29/10 Number of Samples 12  
 Laboratory Test America Lab ID KTA0367  
 Well ID \_\_\_\_\_  
 Electronic File Name CAROT - EPA 800020 Brickhouse February 17, 2010.pdf  
 (P. 2 of 3)

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
O.C. pesticides (3)	water	not known	608	
PCBs (3)	"	not known	608	
VOCs (13)	"	not known	8260B	
SVOA (13)	"	not known	8270C	
Oil + Grease (13)	"	method defined	1664A	
Dissolved Gases (13)	"	not known	RSK SOP-175	

## QC Measures

## KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

	VOA	SVOA	Pesticides	Aroclors	Alcohols	Glycols	Dissolved Gases	MBAS	Oil + Grease
Reporting Level(s)	P	P	P	P			P		P
Laboratory Narrative	M	M	M	M			M		M
Result Forms / Target Compound Identification	P	P	P	P			P		P
Sample Preservation	M	M	M	M			M		M
Holding Time	P	P	P	P			M		P
Instrument Tune (ms)	M	M	NA	NA			NA		NA
Standards Preparation Logs	M	M	M	M			M		M
Run Logs (includes standards and samples)	M	M	M	M			M		M
Initial Calibration	M	M	M	M			M		M
Continuing Calibration	M	M	M	M			M		M
Laboratory Blanks	M	M	M	M			M		M
Trip Blanks	P	NA	NA	NA			M		M
Field Blanks	M	M	M	M			M		M
Field Duplicates	M	M	M	M			M		M
Surrogate/DMC Recovery	P	P	P	P			M		M
MS/MSD (%R, RPD)	M	M	M	M			M		M
Laboratory Control Sample	M	M	M	M			M		M
Internal Standard Area	P	P	NA	NA			NA		NA
Pesticide/Aroclor Cleanup Checks	NA	NA	M	M	NA	NA	NA	NA	NA
Retention Time	M	M	M	M			M		NA
Chromatograms	M	M	M	M			M		NA
Mass Spectra	M	M	NA	NA	NA	NA	NA	NA	NA
Example Sample Calculation	M	M	M	M			M		M
Identification of Tentatively Identified Compounds (TICs)	P	P	NA	NA	NA	NA	NA	NA	NA
TICs Method of Determination	M	M	NA	NA	NA	NA	NA	NA	NA
Dilution Factor	P	P	P	P			P		P
Sample Paperwork (sample tags, chain of custody forms)	P	P	P	P			P		P
Moisture Content (for sediment / soils samples)	NA	NA	NA	NA	NA	NA	NA	NA	NA

# Inventory of Quality Control Data for Inorganic Analyses

3 of 3

Report Title Brickhouse Environmental Report Date 2/17/10  
 Sampler Brickhouse Environmental Sampling Date 1/22/10 Number of Samples 12  
 Laboratory TESTAMERICA Lab ID KTAC0367  
 Well ID \_\_\_\_\_  
 Electronic File Name CADOT - EPA 000020 Brickhouse February 17 2010. pdf.

(P. 3 of 3)

Analytical Parameter	Matrix	Method		
		Digestion	Analysis	Modification
(13) (8) Total Organic Carbon	Water		5310C	
" Phenols	"		420.1	

## QC Measures

### KEY:

P = applicable and present  
 M = applicable and missing  
 NA = not applicable

	Metals	Anions	Nitrate/Nitrite	Oil & Grease	Total Organic Carbon	Total Phenols
Reporting Level(s)					P	P
Laboratory Narrative					P	P
Result Forms / Target Analyte Identification					P	P
Sample Preservation					P	P
Holding Time					P	P
Digestion and Distillation Logs					M	NA
Standards Preparation Logs					M	M
Run Logs (includes standards and samples)					M	M
Initial Calibration					M	M
Continuing Calibration					M	M
Laboratory Blanks					M	M
Trip Blanks					NA	NA
Field Blanks					M	M
Field Duplicates					M	M
Matrix Spike Recovery					M	M
Laboratory Duplicates					M	M
Laboratory Control Sample					M	M
Internal Standard Area					NA	NA
Method of Standard Addition Results					NA	NA
ICP Serial Dilutions					NA	NA
ICP Interference Check Sample					NA	NA
ICP Inter-element Correction Factors					NA	NA
ICP Linear Ranges					NA	NA
Raw Data (i.e., instrument readouts)					M	M
Example Sample Calculation					M	M
Dilution Factor					P	P
Sample Paperwork (sample tags, chain of custody forms)					P	P
% Solids (for sediment / soils samples)					NA	NA

January 2012



# Inventory of Quality Control Data for Organic Analyses

Report Title TestAmerica Analytical Report Report Date 9/13/11  
 Sampler URS Corporation Sampling Date 8/4/11 Number of Samples 2  
 Laboratory TestAmerica Lab ID \_\_\_\_\_  
 Well ID TC-1, AW-2  
 Electronic File Name Cahot-EPA 000176 Test America Results August 4 2011.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
VOA	water	5020	8260B	
SVOA	Water		8270.C	
EPB/DBP				
Glycols				
GIRO			8015 B	
Alcohols			8015	

## QC Measures

### KEY:

P = applicable and present  
 M = applicable and missing  
 NA = not applicable

	VOA	SVOA	Pesticides	Aroclors	Alcohols	Glycols	Dissolved Gases	MBAS	GIRO
Reporting Level(s)	P	P				P			P
Laboratory Narrative	P	P				P			P
Result Forms / Target Compound Identification	P	P				P			P
Sample Preservation	P	P				P			P
Holding Time	P	P				P			P
Instrument Tune	P	P				P			P
Standards Preparation Logs	P	P				P			P
Run Logs (includes standards and samples)	P	P				P			P
Initial Calibration	P	P				P			P
Continuing Calibration	P	P				P			P
Laboratory Blanks	P	P				P			P
Trip Blanks	P	NA				NA			NA
Field Blanks	M	M				M			M
Field Duplicates	M	M				M			M
Surrogate/DMC Recovery	P	P				P			P
MS/MSD (%R, RPD)	P	P				P			P
Laboratory Control Sample	P	P				P			P
Internal Standard Area	P	M				NA			P
Pesticide/Aroclor Cleanup Checks	NA	NA				NA			NA
Retention Time	P	P				P			P
Chromatograms	P	P				NA			P
Mass Spectra	P	P				NA			P
Example Sample Calculation	M	M				M			M
Identification of Tentatively Identified Compounds (TICs)	M	M				NA			M
TICs Method of Determination	M	M				NA			M
Dilution Factor	P	P				P			NA
Sample Paperwork (sample tags, chain of custody forms)	P	P				P			P
Moisture Content (for sediment / soils samples)	NA	NA				NA			NA

# Inventory of Quality Control Data for Inorganic Analyses

1043

Report Title Test America Analytical Report

Report Date 10/5/11

Sampler URS Corporation

Sampling Date 9/1/11

Number of Samples 12

Laboratory Test America

Lab ID

Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1, Trip Blank

Electronic File Name Cabot - EPA 001621 Test America Results September 1 2011.pdf

Analytical Parameter	Matrix	Method		
		Digestion	Analysis	Modification
EAB/PBCP	WATER	Micro Extraction	8011	
gases		NA	RSK-175	
METALS		3005A	6020	
Anions (Cl <sup>-</sup> only)			300.A	
Amodia			350.1	
Glycols				

## QC Measures

### KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

U = UNKNOWN if method requires  
UNABLE TO RECOVER

	Metals	Anions Chloride only	Nitrate/Nitrite	Oil & Grease	RSK 175 gases	EAB/PBCP	Ammonia
Reporting Level(s)	P	P	NA	NA	P	P	P
Laboratory Narrative	P	P	NA	NA	P	P	P
Result Forms / Target Analyte Identification	P	P	NA		P	P	P
Sample Preservation	P	P	NA		U	P	P
Holding Time	P	P	NA		U	P	P
Digestion and Distillation Logs	P	NA	NA		NA	NA	P
Standards Preparation Logs	P	P	NA		M	P	P
Run Logs (includes standards and samples)	P	P	NA		P	P	P
Initial Calibration	P	P	NA		P	P	P
Continuing Calibration	P	P	NA		P	P	P
Laboratory Blanks	P	P	NA		P	P	P
Trip Blanks	NA	NA	NA		NA	NA	NA
Field Blanks	M	M	NA		U	M	M
Field Duplicates	M	M	NA		U	M	M
Matrix Spike Recovery	P	P	NA		U	P	P
Laboratory Duplicates	P	P	NA		P	P	P
Laboratory Control Sample	P	P	NA		P	P	P
Internal Standard Area	NA	NA	NA		NA	NA	NA
Method of Standard Addition Results	NA	NA	NA		NA	NA	NA
ICP Serial Dilutions	P	NA	NA		NA	NA	NA
ICP Interference Check Sample	P	NA	NA		NA	NA	NA
ICP Inter-element Correction Factors	M	NA	NA		NA	NA	NA
ICP Linear Ranges	P	NA	NA		NA	NA	NA
Raw Data (i.e., instrument readouts)	NA	M	NA		P	P	M
Example Sample Calculation	M	M	NA		M	M	M
Dilution Factor	P	P	NA		P	P	P
Sample Paperwork (sample tags, chain of custody forms)	P	P	NA		P	P	P
% Solids (for sediment / soils samples)	NA	NA	NA		NA	NA	NA
Surrogate	NA	NA	NA		NA	P	NA

January 2012

# Inventory of Quality Control Data for Organic Analyses

2043

Report Title TestAmerica Analytical Report Report Date 10/5/11  
 Sampler URS Corporation Sampling Date 9/1/11 Number of Samples 12  
 Laboratory TestAmerica Lab ID \_\_\_\_\_  
 Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1, Trip Blank  
 Electronic File Name Cabot-EPA 001621 Test America Results September 1 2011.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
GRO			8015 B	
Mercury			7470 A	
MBAS			SM 5540 C	
VOC			8260 B	
SVOC			8270 C	

## QC Measures

### KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

	VOA	SVOC	Pesticides	Aroclors	Alcohols	Glycols	MBAS	GRO	Mercury
Reporting Level(s)	P	P	NA	NA		M	P	P	
Laboratory Narrative	M	M				M	M		
Result Forms / Target Compound Identification	P	P				P	P	P	
Sample Preservation	M	M				M	P		
Holding Time	P	P				P	P	P	P
Instrument Tune	P	P				NA	NA		
Standards Preparation Logs	P	P				P	P	P	P
Run Logs (includes standards and samples)	P	P				P	P	P	P
Initial Calibration	P	P				P	P	P	P
Continuing Calibration	P	P				P	P	P	P
Laboratory Blanks	P	P				P	P	P	P
Trip Blanks	P	P				M	M		
Field Blanks	M	M				M	M		
Field Duplicates	M	M				M	M		
Surrogate/DMC Recovery	P	P				P	M	P	
MS/MSD (%R, RPD)	P	P				P	P	P	P
Laboratory Control Sample	P	P				P	P	P	P
Internal Standard Area	P	P				P	NA		
Pesticide/Aroclor Cleanup Checks	NA	NA				NA	NA		
Retention Time	P	P				P	NA	P	
Chromatograms	P	P				P	NA	P	
Mass Spectra	P	P				P	NA	P	
Example Sample Calculation	M	M				M	M		
Identification of Tentatively Identified Compounds (TICs)	M	M				NA	NA		
TICs Method of Determination	M	M				NA	NA		
Dilution Factor	M	M				M	P		
Sample Paperwork (sample tags, chain of custody forms)	P	P				P	P		
Moisture Content (for sediment / soils samples)	NA	NA				NA	NA		
Surrogate	P	P	✓	✓		*		*	

January 2012



# Inventory of Quality Control Data for Organic Analyses

In  
A

3 of 3

Report Title TestAmerica Analytical Report Report Date 10/5/11  
 Sampler URS Corporation Sampling Date 9/1/11 Number of Samples 12  
 Laboratory TestAmerica Lab ID \_\_\_\_\_  
 Well ID H-1, FH-1, FPT-1, S-1, R-1, R-2, RD-1, RU-1, KDE-1, N-1, D-1 Trip Blank  
 Electronic File Name Cabot - EPA 001621 Test America Results September 1 2011.pdf

Analytical Parameter	Matrix	Method		
		Extraction	Analysis	Modification
DRO			8015B	
Acidity			2310B	
Alkalinity			2320B	
TDS			SM 2540C	
TSS			SM 2540 D	
pH			SM 4500H+B	

## QC Measures

### KEY:

P = applicable and present

M = applicable and missing

NA = not applicable

	TSS	Alkalinity	Acidity	TDS	pH				DRO
Reporting Level(s)	P	P	P	P	P	P			P
Laboratory Narrative	M	M	M	M	M	M			M
Result Forms / Target Compound Identification	P	P	P	P	P	P			P
Sample Preservation	M	M	M	M	M	M			P
Holding Time	P	P	P	P	P	P			P
Instrument Tune	NA	NA	NA	NA	NA	NA			M
Standards Preparation Logs	P	P	P	P	P	P			P
Run Logs (includes standards and samples)	P	P	P	P	P	P			P
Initial Calibration	NA	NA	NA	NA	P	P			P
Continuing Calibration	NA	NA	P	NA	NA	P			P
Laboratory Blanks	NA	P	P	P	NA	P			P
Trip Blanks	NA	M	M	M	M	M			M
Field Blanks	NA	M	M	M	M	M			M
Field Duplicates	M → NA	M	M	M	M	M			M
Surrogate/DMC Recovery	NA	NA	NA	NA	NA	NA			P
MS/MSD (%R, RPD)	P	P	P	P	P	P			P
Laboratory Control Sample	P	P	P	P	P	P			P
Internal Standard Area	NA	NA	NA	NA	NA	NA			P
Pesticide/Aroclor Cleanup Checks	NA	NA	NA	NA	NA	NA			NA
Retention Time	NA	NA	NA	NA	NA	NA			P
Chromatograms	NA	NA	NA	NA	NA	NA			P
Mass Spectra	NA	NA	NA	NA	NA	NA			P
Example Sample Calculation	M	M	M	M	NA	M			M
Identification of Tentatively Identified Compounds (TICs)	NA	NA	NA	NA	NA	NA			M
TICs Method of Determination	NA	NA	NA	NA	NA	NA			M
Dilution Factor	NA	M	M	M	NA	M			M
Sample Paperwork (sample tags, chain of custody forms)	P	P	P	P	P	P			P
Moisture Content (for sediment / soils samples)	NA	NA	NA	NA	NA	NA			NA